

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024726**Date Inspected:** 22-Jun-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	N/A	<b>CWI Present:</b>	Yes	No
<b>Inspected CWI report:</b>	Yes No N/A	<b>Rod Oven in Use:</b>	Yes No N/A	
<b>Electrode to specification:</b>	Yes No N/A	<b>Weld Procedures Followed:</b>	Yes No N/A	
<b>Qualified Welders:</b>	Yes No N/A	<b>Verified Joint Fit-up:</b>	Yes No N/A	
<b>Approved Drawings:</b>	Yes No N/A	<b>Approved WPS:</b>	Yes No N/A	
		<b>Delayed / Cancelled:</b>	Yes No N/A	
<b>Bridge No:</b>	34-0006	<b>Component:</b>	OBG Welds	

**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Dan Hernandez was present during the times noted above to observe the fit up, welding and related activities associated with the fabrication of the San Francisco Oakland Bay Self Anchored Suspension Bridge at Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island.

Bay 14

## QA Verification

This QA Inspector performed Magnetic Particle Testing (MT) of approximately 10% of the area previously tested and accepted by ABF/ZPMC MT personnel. The following items were tested:

U-Rib splice plates

SA3142-001-001, 002  
SA3129-001-001, 002  
SA3129-006-003, 004  
SA3129-001-003, 004  
SA3137-006-005, 006  
SA3129-004-001, 002  
SA3129-005-001, 002

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SA3137-012-007, 008  
SA3137-013-005, 006  
SA3137-003-007, 008  
SA3129-004-003, 004  
SA3137-001-001, 002  
SA3137-002-005, 006  
SA3137-002-003, 004  
SA3129-006-001, 002  
SA7521-004-003, 004  
SA7521-001-001, 002  
SA3137-001-007, 008  
SA3143-014-003, 004  
SA3143-018-001, 002  
SA3137-004-005, 006  
SA3143-012-001, 002  
SA3143-010-003, 004  
SA3143-012-003, 004  
SA3143-014-001, 002  
SA3143-018-003, 004  
SA3137-008-007, 008  
SA3137-013-007, 008  
SA3137-005-005, 006  
SA3137-004-007, 008  
SA7521-001-003, 004  
SA7521-004-001, 002  
SA7521-002-003, 004  
SA3131-001-003, 004  
SA3137-004-003, 004  
SA7521-003-003, 004  
SA7521-002-001, 002  
SA7521-005-001, 002  
SA3137-008-005, 006  
SA3137-011-007, 008  
SA3137-007-005, 006  
SA3137-010-005, 006, 007, 008  
SA3137-007-007, 008  
SA3137-009-005, 006, 007, 008  
SA3137-003-001, 002, 003, 004  
SA3137-002-001, 002, 007, 008  
SA3137-005-005, 006  
SA3137-012-005, 006  
SA3137-008-007, 008  
SA3137-005-007, 008  
SA3129-005-003, 004

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SA3129-002-003, 004, 001, 002  
SA7521-005-003, 004  
SA3152-001-001, 002  
SA3142-002-001, 002  
SA3143-008-003, 004  
SA3132-001-001, 002  
SA3152-003-001, 002, 003, 004  
SA3142-003-001, 002  
SA3155-003-007, 008  
SA3143-003-003, 004  
SA3152-004-001, 002  
SA3155-002-007, 008  
SA3152-004-003, 004  
SA3152-005-001, 002  
SA3155-003-005, 006

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

**Summary of Conversations:**

No relevant conversations.

**Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 150-0042-2372 , who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Hernandez,Dan	Quality Assurance Inspector
<b>Reviewed By:</b>	Miller,Mark	QA Reviewer

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